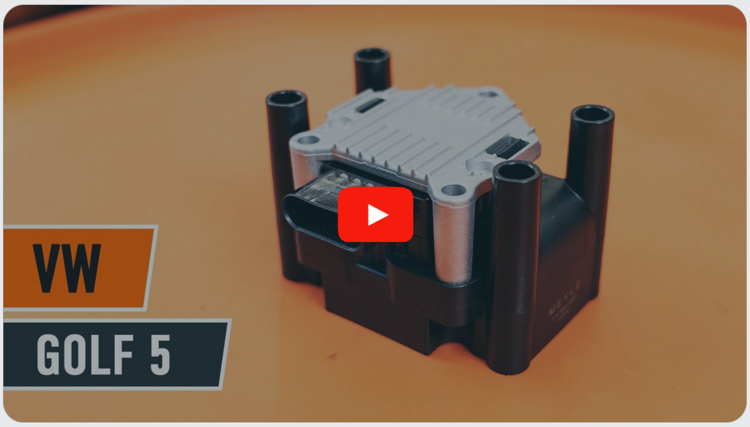
AUTODOC CLUB

How to change ignition coil on **AUDI A3 Hatchback (8L1)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

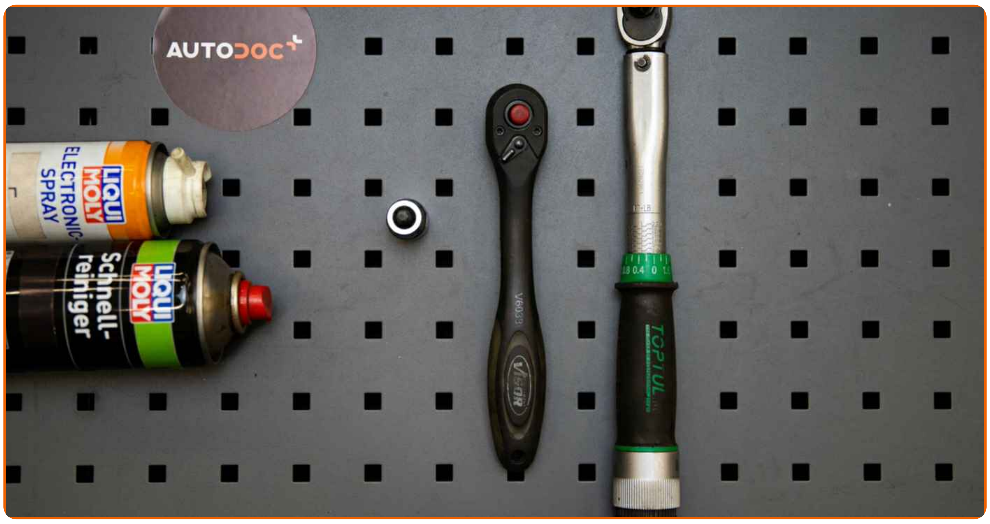
Important!

This replacement procedure can be used for:
AUDI A3 Hatchback (8L1) 1.6, AUDI A3 Hatchback (8L1) 1.8

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: VW Golf V Hatchback (1K1) 1.6

REPLACEMENT: IGNITION COIL – AUDI A3 HATCHBACK (8L1). LIST OF THE TOOLS YOU'LL NEED:



- Electronic spray
- All-purpose cleaning spray
- Torque wrench
- HEX bit No.H5
- Ratchet wrench
- Fender cover

Buy tools

Replacement: ignition coil – AUDI A3 Hatchback (8L1). AUTODOC experts recommend:

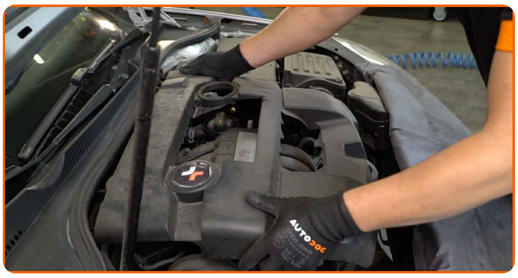
- The replacement procedure is the same for the ignition coils of all cylinders.
- Please note: all work on the car – AUDI A3 Hatchback (8L1) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the hood.

2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

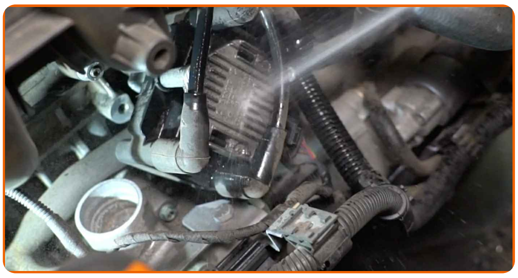
3 Remove the engine cover.



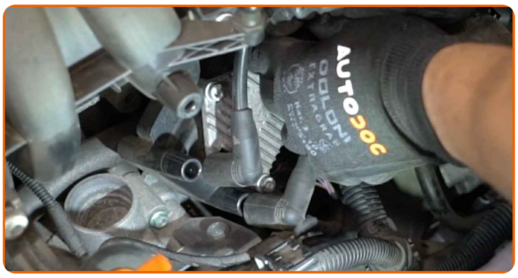
AUTODOC recommends:

- Replacement: ignition coil – AUDI A3 Hatchback (8L1). Do not use excessive force when removing the part as this may damage it.

4 Clean the ignition coil bolts. Use all-purpose cleaning spray.



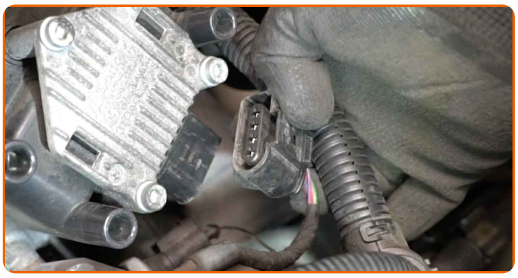
5 Disconnect the spark plug wires from the ignition coil.



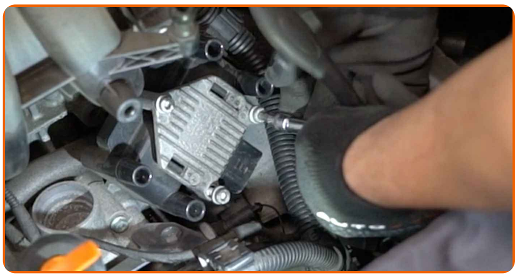
Replacement: ignition coil – AUDI A3 Hatchback (8L1). AUTODOC recommends:

- Be careful to avoid damaging spark plug wires.
- Remember the position of the spark plug wires.

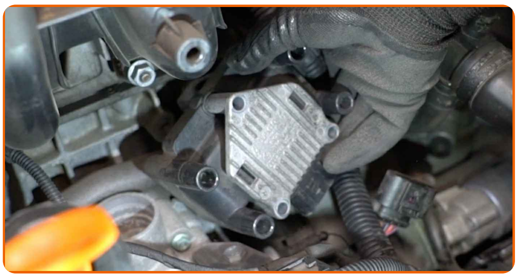
6 Detach the connector from the ignition coil.



7 Unscrew the ignition coil bolts. Use HEX No.H5. Use a ratchet wrench.



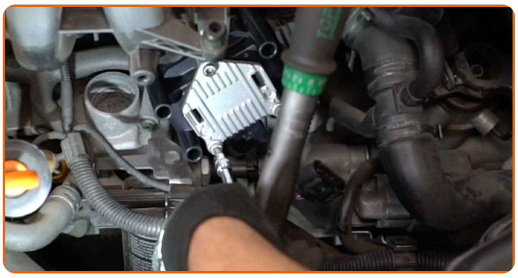
8 Take out the ignition coil from the spark plug well.



9 Install the new ignition coil to the spark plug well.



10 Tighten the ignition coil bolts. Use HEX No.H5. Use a torque wrench. Tighten it to 7 nm torque.



11 Treat the ignition coil connector with electronic spray. The spray will protect the electrical contacts from corrosion, oxidation, and will reduce the contact resistance.



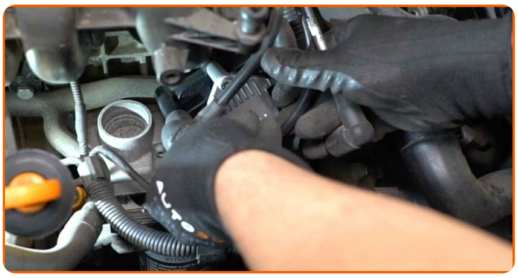
AUTODOC recommends:

- Replacement: ignition coil – AUDI A3 Hatchback (8L1). After applying the spray, wait a few minutes.

12 Plug in the ignition coil connector.



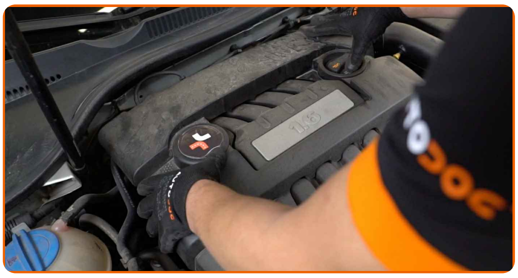
13 Connect the spark plug wires to the ignition coil.



Replacement: ignition coil – AUDI A3 Hatchback (8L1). AUTODOC recommends:

- Follow the installation sequence.

14 Install the engine cover and secure it.



AUTODOC recommends:

- Make sure the engine cover is properly seated. It should not be displaced with respect to the guiding fasteners.
- Replacement: ignition coil – AUDI A3 Hatchback (8L1). Do not use excessive force during installation. This may damage the part.

15 Run the engine for a few minutes. This is necessary in order to make sure that the component operates properly.

16 Shut off the engine.

17 Remove the fender protection cover.

18 Close the hood.

WELL DONE!

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